PUBLIC NOTICE

PERMIT APPLICATION: **NRS 06-321**

APPLICANT: Southland Excavating, Inc.
4909 Bell Road
Knoxville, TN 37931
(865) 693-9699

LOCATION: South of Ball Road, north of Ball Camp Pike and west of Hazelnut Drive; Knox County: lat 35 58" 42" long 83 04' 00"

WATERSHED DESCRIPTION: Grassy Creek, 303(d) listed. Grassy Creek is a tributary to Beaver Creek and is in the Clinch River watershed (HUC 06010207).
Much of this portion of the watershed is mixed use consisting of pasture, scattered woodlots and increasing residential.

PROJECT DESCRIPTION: The applicant proposes to construct Phase II of gravity sewer line for residential development. An 8-inch PVC line will complete the connection from Manhole 9+65.5 to Knoxville Utilities Board existing Manhole 21. The connection will require four crossings of Grassy Creek. Each stream crossing will be an 8-inch ductile iron pipe encased in 16-inch steel line at 1-2.5 feet below the stream grade. The dam and pump method is proposed for each crossing. The sewer line shall be installed according to KUB's Standards and Specifications.

The applicant shall monitor each stream crossing and submit annual reports to this office for at least two years to guarantee that the crossing is stabilized and no loss of flow occurs.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

USGS TOPOGRAPHIC QUADRANGLE: Bearden 138 NE

PERMIT COORDINATOR: Mike Lee

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

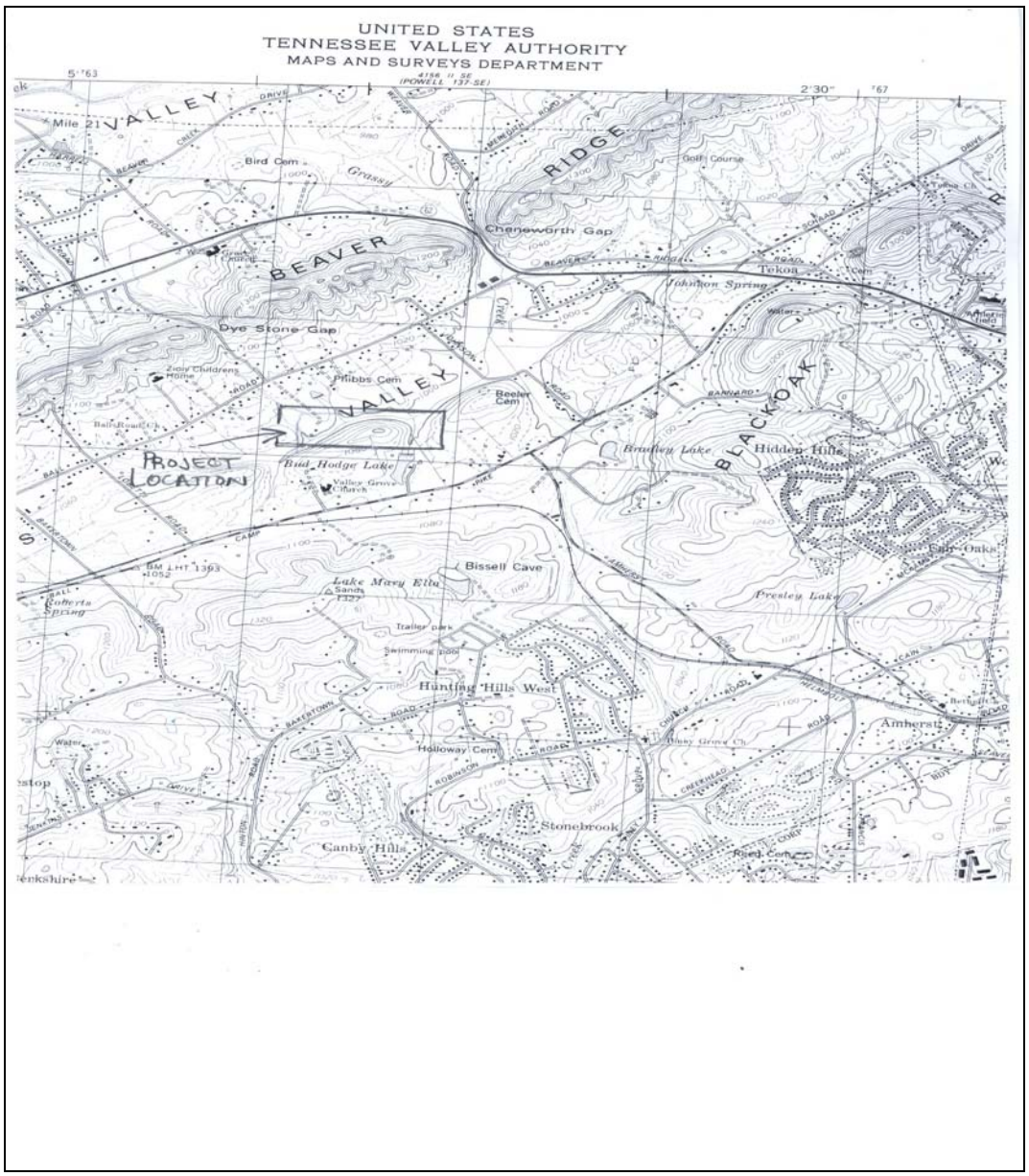
Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

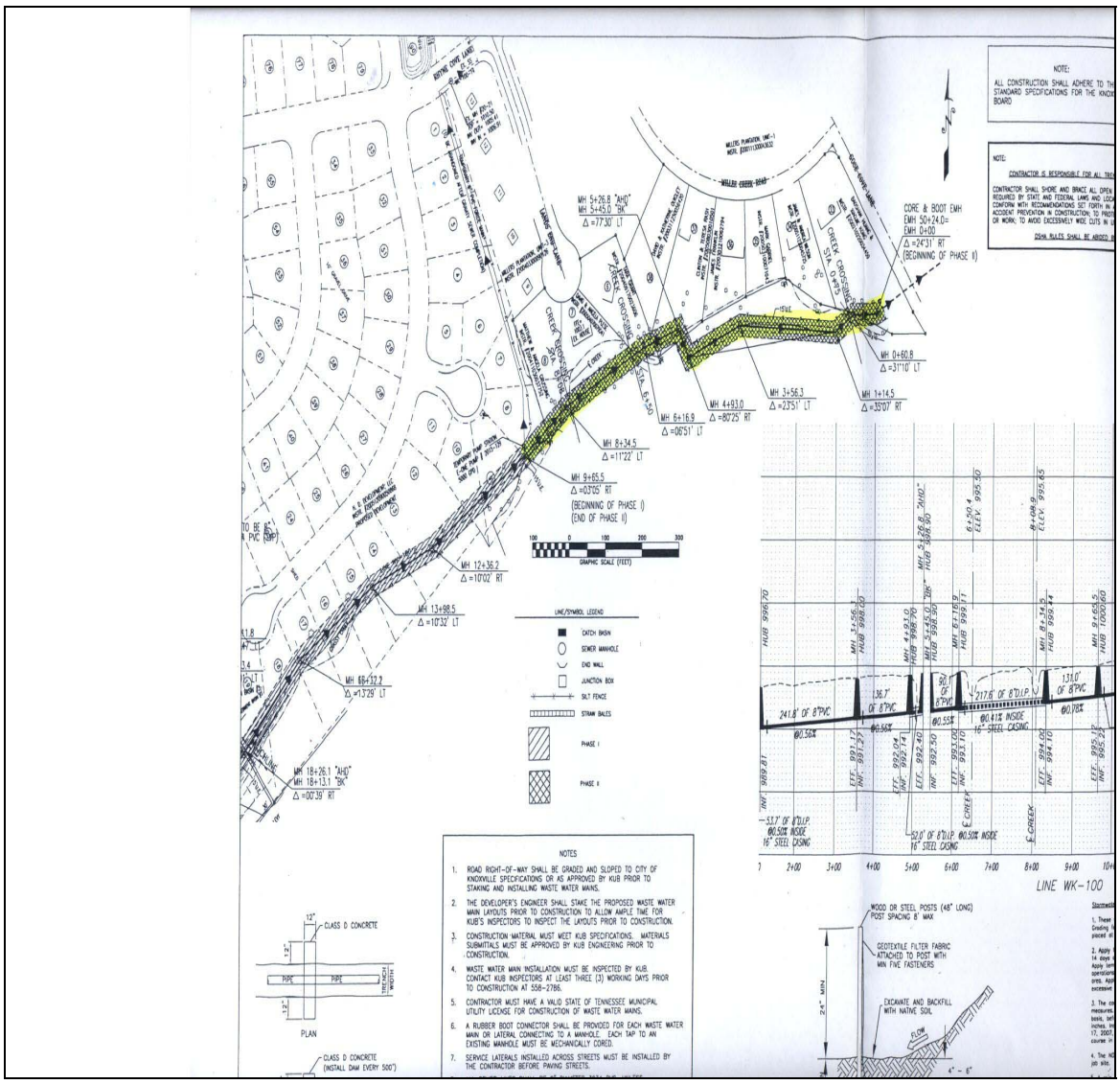
The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.

PROJECT LOCATION





PROPOSED LOCATION OF SEWER LINE

PROJECT INFORMATION

Project Benefits and Justification
The project will provide wastewater utility service for growth along Ball Road. Three new subdivisions with 185 residences are undergoing or preparing for development, and another new subdivision is under consideration, with approximately 25-30 possible residences. Access to sewer service will allow these new areas to avoid reliance on septic systems, which, if not properly installed and maintained, can significantly impact surface and groundwater.

Stream Impacts
Grassy Creek runs from southwest to northeast, with a depth varying from a few inches to nearly 1 foot under typical flow conditions. The creek banks are mostly vegetated and wooded, especially on the southeastern bank, which is undeveloped. Grassy Creek ranges in width from three to eight feet. This project will not alter the existing grade of the stream or its banks. Upon completion and stabilization of the four crossings, the stream will be returned to its current condition.

Several best management practices and engineering controls are proposed to prevent stream capture and/or wastewater overflows:

- Watertight manhole lids are specified for the project (*include detail on spec*).
- Concrete water stops are required on the upstream side of each manhole (see detail on engineering drawings).
- Under each stream crossing, 8-inch ductile iron pipe encased in 16-inch steel line will be used (instead of PVC).
- The top of pipe at each crossing will be from 1 to 2.5 feet below the current stream grade.

Adjacent Land Use
Currently the southeastern side of Grassy Creek is undeveloped woods, and the northwestern side comprises residential properties/backyards, with grassy lawns, fences, etc.

Erosion Control and Site Restoration
Please see the attached details for stream crossings. Stream water will be pumped around each crossing location during excavation. The new sewer line will then be installed in accordance with KUB's Standards and Specifications. Each crossing will be completed and stabilized with straw prior to beginning the next crossing. Sediment and Erosion controls are outlined in the project's Storm Water Pollution Prevention Plan (on file with TDEC-Knoxville) and are shown on the attached engineering drawings.